PUBLIC NOTICE

PERMIT APPLICATION: NRS #04-107

APPLICANT: Tennessee Department of Transportation
Environmental Planning and Permits Division
James K. Polk Building
505 Deaderick Street, Suite 900
Nashville, TN 37243-0334
(615) 253-2477

LOCATION: State Route 6 from the Alabama state line to south of the St. Joseph northern city boundary, Lawrence County, Tennessee

WATERSHED DESCRIPTION: The proposed project lies within the Pickwick-Shoal Creek Watershed and is included in the USGS Hydrologic Map Unit 06030005 of TN. Little Bluewater Creek is located upstream of Bluewater Creek and Shoal Creek. Little Bluewater Creek is classified for the following uses: fish & aquatic life, recreation, irrigation, and livestock watering & wildlife. Bluewater Creek is fully supporting of its designated uses, but Little Bluewater Creek and its unnamed tributaries have not yet been assessed. The unnamed tributaries of Little Bluewater Creek are 3 to 6 feet wide and the substrate is sand and gravel. One of the unnamed tributaries is intermittent, while the other is perennial. No aquatic life was observed in either tributary. Soils in the vicinity of the road crossings have good absorptive characteristics and are mapped as Greendale soils in the Lawrence County Soil Survey. Soils in the wetland area have poor absorptive characteristics and are mapped as Guthrie soils. Standing water was present, as was aquatic life, including streambed fish. Land uses in the vicinity of the proposed project are either residential or cultivated for agriculture.

PROJECT DESCRIPTION: The applicant proposes to upgrade the existing 2-lane portion of SR-6 from the Alabama state line to south of the St. Joseph northern city boundary. This would involve alteration of existing culvert crossings and permanent impact to 0.11 acre of contiguous wetland.

Station 2+620± (Lt.) to 2+700± (Rt.): Unnamed perennial tributary to Little Bluewater Creek. Existing conditions consist of 413 ft. of open channel plus 35 ft. of 6 ft. x 4.5 ft. box culvert and 66 ft. of 6 ft. x 6 ft. box culvert. The applicant proposes to replace the existing box culverts with 295 ft. of 6 ft. x 6 ft. box culvert, 13 ft. of concrete endwalls, 72 ft. of riprap at the inlet, and 58 ft. of riprap at the outlet.

Station 4+831± (Rt.) to 4+896± (Lt.): Unnamed intermittent tributary to Little Bluewater Creek. Existing conditions consist of 126 ft. of open channel plus 141 ft. of 3 ft. metal pipe and 99 ft. of 4f.t x 6ft. box culvert. The applicant proposes to extend the 6 ft. x 4.5 ft. box culvert by 133 ft. and add 13 ft. of concrete endwalls, 47 ft. of riprap at the inlet, and 21 ft. of riprap at the outlet.

Station 7+897± (Rt.) to 7+942± (Rt.): Contiguous wetland. The applicant proposes permanent impact (filling) of 0.11 ac. and temporary impact to 0.02 ac. of wetlands. The applicant also proposes to install 109 ft. of 42 in. concrete pipe, 26 ft. of concrete endwalls, and 21 ft. of riprap.

The applicant proposes to mitigate the permanent impact to wetlands (0.21 acres) by debiting, at a 4:1 ratio, 0.84 acre from available wetland credits at the Harpeth Wetland Mitigation Bank. Paying $164,400 to the Tennessee Wildlife Resources foundation for the In-lieu Fee Stream Mitigation Bank would mitigate stream impacts (654' of stream encapsulation/length loss and 224' of rip-rap lined channels) not mitigated on site. Associated with this project are road crossings and minor wetland alterations that have been determined to fall under General Permits. Standard erosion control devices would be used to prevent sediment from entering flowing water. Upon completion of the work, all disturbed areas would be stabilized.

PERMIT COORDINATOR: Vicki Steed, State of Tennessee, Department of Environment and Conservation, Division of Water Pollution Control, Natural Resources Section, 7th Floor, L & C Annex, 401 Church Street, Nashville, Tennessee 37243-1534

USGS TOPOGRAPHIC QUADRANGLE: St. Joseph, TN Quadrangle 42 SE

Attached: Topographic Location Map


END
STA. 10+235
GARAP #3
STA. 9+160 +/- TO
STA. 9+180 +/-
GARAP #4
STA. 9+280 +/- TO
STA. 9+335 +/-
GARAP #2
STA. 7+730 +/- TO
STA. 7+742 +/-
IARAP #3
STA. 7+901 +/- TO
STA. 7+980 +/-
GARAP #1
STA. 6+395
IARAP #2
STA. 4+852 +/- TO
STA. 4+896 +/-
IARAP #1
STA. 2+660 +/- TO
STA. 2+700 +/-
BEGIN
STA. 2+339
St Joseph
Odems Chapel
Ball park
Little Bluewater Creek
Big Branch
JACKSON HIGHWAY
LOUISVILLE
NASHVILLE
ST. JOSEPH, TN QUADRANGLE 42-SE
APPLICATION BY:
TENNESSEE DEPARTMENT OF TRANSPORTATION
Project No. 50001-1248-04
PIN 101587.00
State Route 6
From Alabama State Line to South of St. Joseph Northern County Line
St. Joseph, Lawrence
Scale 1:24,000
0 600 1200 1800 2400 3000 ft
Contour Interval 10 Feet
National Geodetic Vertical Datum of 1929